

ACS.MET 4 INITIAL & RE-ASSESSMENT EMERGENCY SERVICE PROVIDER AND GAS METER INSTALLER NON-DOMESTIC DIAPHRAGM METERS NATURAL GAS

MET4 INITIAL and RE-ASSESSMENT

Introduction

Tests gas safety competence to install, exchange, remove and commission diaphragm type gas meters.

Candidates who have achieved CMET1 may also install meters within the scope of MET4

Candidates successfully completing this assessment may also install LP meters of capacity ≤ 6 m³/h.

CBs may adopt Competence and Criteria numbering different to that used in this document.

CB documentation may adopt wording for criteria different to that used in this document, provided the meaning is unaffected.

Range

Primary diaphragm meters of badged capacity $\leq 40 \text{m}^3/\text{h}$. Pipework of diameter ≤ 2 " (50 mm) diameter. LP only.

Pre-requisites

CMA1 or CESP1 or CCN1 or COCN1 or CCCN1 or QCF or S/NVQ.

Note: If working on meters $>16m^3/hr$ or working on installations out of scope of UP/1B TPCP1 or TPCP1A is required.

Note: Work on meters with MP meter \leq 6 m³/h require REGT1 , MP supplies \geq 6 m³/h also require REGT 2.

Exclusions

Secondary meters; meter reading; pre-payment mechanisms; meter box installation; construction of meter compartments or housings; service pipework; installation or exchange of ECV/MIV; service valves or their operation; meter removal from site and subsequent disposal; testing by OFGEM and theft of gas.

References

- HSL56
- IGEM/GM/6 Edition 2
- GIUSP.

Where a reference point (REF) is listed in this criteria this is only a guide to where the criteria could be resourced; therefore, the REF may not be exhaustive.

ACS.SMB. 003.ACDND indicates those Normative Documents that should be held by ACs.

Abbreviations

AC. Assessment Centre

ECV. Emergency control valve

GSIUR. Gas Safety (Installation & Use) Regulations

I. Initial

LP. Low pressure

MIV. Meter inlet valve

MOP. Maximum operating pressure

MOV. Meter outlet valve

MP. Medium pressure

OP. Operating pressure

Ref. Reference.

PERF	FORMANCE CRITERIA	REF	I	R
1a.	determine pressure in service as LP		✓	
	OQ Related to service pressures > 75mbar			
1.	check ECV operates correctly		√	
2.	note and confirm connected appliances to internal supply are of the 'standard type'		√	
3.	check meter and installation components are fit for use and purpose and regulator		✓	✓
	has been factory set at an appropriate pressure to suit the installation and sealed with manufacturer's mark			
3(a).	Preparation check of meter components for obstructions		√	√
3(b).	check pressure test records of components		✓	•
4.	isolate gas supply prior to work		·	
5.	remove plug/cap from ECV		√	
6.	Connect diaphragm meter , ECV/MIV and regulator via bracket, semi-rigid		✓	
	connection, fittings, washers			
7.	Correct use temporary continuity bond		✓	
7a	check the meter and associated pipework and fittings use			✓
	appropriate materials and jointing agents, to MIs and normative documents			
	(repair gas escape on meter union on installation) see practical provisions			
8.	re-establish gas supply		√	
9.	check work carried out is gas tight		√	√
10.	purge meter and re-light appliance(s)		√	√
10a.	check regulator locks up at a pressure <30 mbar with no gas flowing OQ		√	√
11.	check regulator OP		V	✓
12	alanamina mankamifani fanillan an amak'i m		1	1
12a	observe meter for faulty operation		√	√
12b	check valves, controls, filters, regulators for correct and safe operation		✓	∨
12c	identify gas safety faults on valves, controls, filters, regulators		V /	∨
12d 12e	identify suitable unsuitable meter locations identify unsafe installations (AR, ID)		\ \ \ \	∨
12e	disconnect and seal meter		V	v
13.	apply appropriate labels and complete warning notices/ certificates		·	√
14.	explain operation and use of ECV/MIV		√	
	explain operation and use of LevyTIIV			
KNO	WLEDGE AND UNDERSTANDING	REF	I	R
1.	WLEDGE AND UNDERSTANDING Incorrect meter locations	REF	I ✓	R
		REF		R
1. 1a	Incorrect meter locations Provisions and clearances required around meters	REF	✓ ✓	R
1.	Incorrect meter locations	REF	✓ ✓	R
1. 1a 1b	Incorrect meter locations Provisions and clearances required around meters Permission requirements for meters & regulators when relocated	REF	✓ ✓ ✓	R
1. 1a 1b	Incorrect meter locations Provisions and clearances required around meters Permission requirements for meters & regulators when relocated the use of pliable connections in meter installations	REF	✓ ✓ ✓ ✓	R
1. 1a 1b 1d 2.	Incorrect meter locations Provisions and clearances required around meters Permission requirements for meters & regulators when relocated the use of pliable connections in meter installations determine the meter capacity is sufficient	REF	✓✓✓✓✓	R
1. 1a 1b 1d 2. 2a	Incorrect meter locations Provisions and clearances required around meters Permission requirements for meters & regulators when relocated the use of pliable connections in meter installations determine the meter capacity is sufficient the requirements and understanding of load	REF	√	R
1. 1a 1b 1d 2. 2a 3.	Incorrect meter locations Provisions and clearances required around meters Permission requirements for meters & regulators when relocated the use of pliable connections in meter installations determine the meter capacity is sufficient the requirements and understanding of load volume of gas which has to be passed by a meter to effect a satisfactory purge	REF	\(\)	R
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1. 1a 1b 1d 2. 2a 3. 4. 6. 7. 9. 10.	Incorrect meter locations Provisions and clearances required around meters Permission requirements for meters & regulators when relocated the use of pliable connections in meter installations determine the meter capacity is sufficient the requirements and understanding of load volume of gas which has to be passed by a meter to effect a satisfactory purge provision of an MOV ECVs/MIVs when meter is installed remotely from dwelling where primary meters serving different parts of a building are grouped together safety notices and labels providing gas supply to installation pipework/appliances for first time procedure for meter installation when gas service is not connected to gas i.e.	REF	\(\sqrt{\sqrt{\chi}} \)	R
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